

COMBINED DECLARATION FOR PATENT
APPLICATION AND POWER OF ATTORNEY
(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER
19603/448 (CRF D-1593C)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

APR 04 2003

DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING COUPLED LIGASE DETECTION
AND POLYMERASE CHAIN REACTIONS

Application of which (check only one item below):

- ☐ is attached hereto.
- ☒ was filed as U.S. Patent Application Serial No. **09/918,156** on **July 30, 2001** and was amended on _____ (if applicable).
- ☐ was filed as PCT International Application No. _____ on _____ and was amended under PCT Article 19 on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specifications, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim priority benefits under Title 35, United States Code, § 119 of any application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States listed below and have also identified below any application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY (If PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
United States	60/018,532	29 May 1996	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT International filing date of this application:

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:

U.S. APPLICATIONS		STATUS (Check One)			
U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED	
08/864,473	28 May 1997	X			
09/440,523	15 Nov 1999	X			
PCT APPLICATIONS DESIGNATING THE U.S.					
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)			

**COMBINED DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY (Continue)**

ATTORNEY'S DOCKET NUMBER
19603/448 (CRF D-1593C)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. **Michael L. Goldman, Registration No. 30,727; J seph M. Noto, Registration No. 32,163; Gunnar G. Leinberg, Registration No. 35,584; Edwin V. Merkel, Registration No. 40,087; Georgia Evans, Registrati n N . 44,597; Alice Y. Choi, Registrati n N . 45,758; Andrew K. Gonsalves, Registration No. 48,145; Noreen L. Conn lly, Registration N . 48,987; John Campa, Registration No. 49,014; Grace C. Hsu, Registration No. 51,336**

Send Correspondence to:
Michael L. Goldman
NIXON PEABODY LLP
Clinton Square, P.O. Box 31051
Rochester, New York 14603

Direct Telephone Calls to:
(name and telephone number)
Michael L. Goldman
(585) 263-1304

2 0 1	FULL NAME OF INVENTOR	FAMILY NAME Barany	FIRST GIVEN NAME Francis	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY New York	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP United States
	POST OFFICE ADDRESS	P.O. ADDRESS 450 E. 63rd Street, Apt. 12C	CITY New York	STATE & ZIP CODE/CTRY New York 10021/USA
2 0 2	FULL NAME OF INVENTOR	FAMILY NAME Lubin	FIRST GIVEN NAME Matthew	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Rye Brook	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP United States
	POST OFFICE ADDRESS	P.O. ADDRESS 20 Magnolia Drive	CITY Rye Brook	STATE & ZIP CODE/CTRY New York 10573-1820/USA
2 0 3	FULL NAME OF INVENTOR	FAMILY NAME Barany	FIRST GIVEN NAME George	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Falcon Heights	STATE/FOREIGN COUNTRY Minnesota	COUNTRY OF CITIZENSHIP United States
	POST OFFICE ADDRESS	P.O. ADDRESS 1813 Prior Avenue North	CITY Falcon Heights	STATE & ZIP CODE/CTRY Minnesota 55113/USA
2 0 4	FULL NAME OF INVENTOR	FAMILY NAME Hammer	FIRST GIVEN NAME Robert	SECOND GIVEN NAME P.
	RESIDENCE & CITIZENSHIP	CITY Baton Rouge	STATE/FOREIGN COUNTRY Louisiana	COUNTRY OF CITIZENSHIP United States
	POST OFFICE ADDRESS	P.O. ADDRESS 4967 Tulane Drive	CITY Baton Rouge	STATE & ZIP CODE/CTRY Louisiana 70808/USA
2 0 5	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE/FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	P.O. ADDRESS	CITY	STATE & ZIP CODE/CTRY
2 0 6	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE/FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	P.O. ADDRESS	CITY	STATE & ZIP CODE/CTRY

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201 <i>Dr. F. Barony</i>	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
DATE <i>1/30/03</i>	DATE	DATE
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
DATE	DATE	DATE

Page 3 of 3

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202 <i>Matthew B. Luhn</i>	SIGNATURE OF INVENTOR 203
DATE	DATE <i>2/3/03</i>	DATE
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
DATE	DATE	DATE

Page 3 of 3

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203 <i>George Barany</i>
DATE	DATE	DATE 1/30/03 ^{GB} 1/30/03
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
DATE	DATE	DATE

Page 3 of 3

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon.

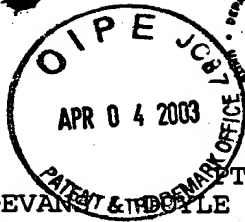
SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
DATE	DATE	DATE
SIGNATURE OF INVENTOR 204 <i>Robert P. Henneke</i>	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
DATE 3/3/03	DATE	DATE

Page 3 of 3



DECEMBER 09, 1997

NIXON, HARGRAVE, DEVANEY & BOYLE LLP
MICHAEL L. GOLDMAN
CLINTON SQUARE
P.O. BOX 1051
ROCHESTER, NY 14603



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



100563087A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/23/1997

REEL/FRAME: 8769/0799
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BARANY, FRANCIS

DOC DATE: 09/03/1997

ASSIGNOR:

LUBIN, MATTHEW

DOC DATE: 09/05/1997

ASSIGNEE:

CORNELL RESEARCH FOUNDATION, INC.
20 THORNWOOD DRIVE
CORNELL BUSINESS & TECHNOLOGY PARK, SUITE 105
ITHACA, NEW YORK 14850

SERIAL NUMBER: 08864473

PATENT NUMBER:

FILING DATE: 05/28/1997

ISSUE DATE:

JOANN STEWART, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

ENTERED
NHDD

JAN - 5 1998

FILE 19603/441
DKT *dlf*

11-03-1997

OCT 23 1997



100563087

To the Honorable Commissioner of
documents or copy thereof:

use record the attached original

RECEIPT ACTING DIV.

10-23-97

1. Name of conveying party(ies):

Francis Barany
Matthew Lubin



2. Name and address of receiving party(ies):

CORNELL RESEARCH FOUNDATION, INC.
Cornell Business & Technology Park
20 Thornwood Drive, Suite 105
Ithaca, New York 14850

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other: _____

Execution Date(s):

1st Inventor: September 3, 1997
2nd Inventor: September 5, 1997
3rd Inventor:
4th Inventor:

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date(s) of the application is(are):

1st (sole) Inventor:
2nd Inventor:
3rd Inventor:
4th Inventor:

A. Patent Application No.(s) 08/864,473

B. Patent No.(s)

ROC10:123169
19603/441 (CRF D-1593A)

11/03/1997 JSHABAZZ 00000101 08864473
01 FC:581 40.00 OP

5. Name and address of party to whom correspondence concerning document should be mailed: Micha I L. Goldman Nixon, Hargrave, Devans & Doyle LLP Clinton Square P. O. Box 1051 Rochester, New York 14603	6. Total number of applications and patents involved: <u>1</u>
	7. Total fee (37 CFR 3.41) \$40.00 <input type="checkbox"/> Previously paid (see original transmittal) <input checked="" type="checkbox"/> A check in the amount of \$40.00 is enclosed.
	8. Deposit Account Number: 14-1138 <input type="checkbox"/> Charge total fee to account. <input checked="" type="checkbox"/> Charge any additional fees to account.

DO NOT USE THIS SPACE

9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael L. Goldman Michael L. Goldman October 24, 1997
Name of Person Signing Signature Date

[Total number of pages including cover sheet, attachments and document: 3]

ROC10:123169
19603/441 (CRF D-1593A)

Certificate of Mailing - 37 CFR 1.8 (a)	
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on the date below.	
<u>10/21/97</u> Date	<u>Wendy L. Harrold</u> Wendy L. Harrold

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, (I) (we) the undersigned, Francis Barany and Matthew Lubin

Hereby sell, assign and transfer to:

CORNELL RESEARCH FOUNDATION, INC.

a corporation of The State of New York, having a place of business at Cornell Business & Technology Park, 20 Thomwood Drive, Suite 105, Ithaca, New York, 14850 its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. 08/864,473 filed May 28 1997, entitled

**DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING
COUPLED LIGASE DETECTION AND POLYMERASE CHAIN REACTIONS**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements, execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date

Sept 3, 1997

Dr. Francis Barany
Francis Barany

(L.S.)

Date

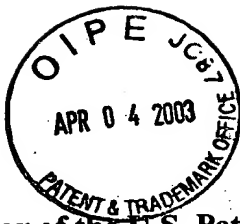
Sept 5, 1997

Matthew B. Lubin
Matthew Lubin

(L.S.)

Date

(L.S.)



RECORDATION FORM COVER SHEET

PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof:

<p>1. Name of conveying party(ies):</p> <p>George Barany</p>	<p>2. Name and address of receiving party(ies):</p> <p>Regents of the University of Minnesota 450 McNamara Alumni Center 200 Oak Street SE Minneapolis, Minnesota 55455-2070</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: _____</p> <p>Execution Date(s):</p> <p>1st (sole) Inventor: January 30, 2003 2nd Inventor: 3rd Inventor: 4th Inventor:</p>	
<p>4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date(s) of the application is(are):</p> <p>1st (sole) Inventor: 2nd Inventor: 3rd Inventor: 4th Inventor:</p> <p>A. Patent Application No.(s): 09/918,156</p> <p>B. Patent No.(s):</p>	

5. Name and address of party to whom correspondence concerning document should be mailed:

Michael L. Goldman, Esq.
NIXON PEABODY LLP
Clinton Square
P.O. Box 31051
Rochester, New York 14603-1051



6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☐ Previously paid (see original transmittal)

☒ A check in the amount of \$40.00 is enclosed.

8. Deposit Account Number: 14-1138

☐ Charge total fee to account.

☒ Charge any additional fees to account.

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: March 25, 2003

Michael L. Goldman
Registration No. 30,727

[Total number of pages including cover sheet, attachments and document: 3]

Page 2 of 2

Certificate of Mailing - 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
U.S. Patent and Trademark Office P.O. BOX 2327
Arlington, VA 22202 on the date below.

Date

March 24, 2003
Jo Ann Whalen

Jo Ann Whalen

ASSIGNMENT

WHEREAS, I, **George Barany**, a United States citizen, residing at 1813 Prior Avenue North, Falcon Heights, Minnesota 55113, have invented certain new and useful improvements in **DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING COUPLED LIGASE DETECTION AND POLYMERASE CHAIN REACTIONS** for which I have executed an application for Letters Patent in the United States, filed as U.S. Serial No. 09/918,156 on July 30, 2001;

AND WHEREAS, **Regents of the University of Minnesota**, with its principal place of business at 450 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, MN 55455-2070, desires to acquire the entire right, title and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **Regents of the University of Minnesota**, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said **Regents of the University of Minnesota**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I will communicate to the said **Regents of the University of Minnesota**, its successors, legal representatives and assigns, any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said **Regents of the University of Minnesota**, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 30th day of January, 2003.

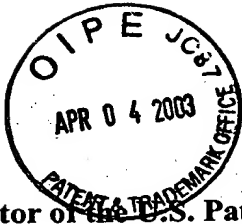
George Barany
George Barany

STATE OF Minnesota
COUNTY OF Hennepin SS:

This 30 day of January, 2003 before me personally came the above-named **George Barany**, to me personally known as the individual who executed the same of his/her own free will for the purposes therein set forth.

Rachel A. Muntean
Notary Public





RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof:

1. Name of conveying party(ies):

Robert P. Hammer

2. Name and address of receiving party(ies):

Board of Supervisors of Louisiana State
University and Agricultural and
Mechanical College
203 David Boyd Hall, Room 146A
Baton Rouge, Louisiana 70803

3. Nature of conveyance:

- ☒ Assignment
☐ Merger
☐ Security Agreement
☐ Change of Name
☐ Other: _____

Execution Date(s):

1st (sole) Inventor: March 3, 2003
2nd Inventor:
3rd Inventor:
4th Inventor:

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date(s) of the application is(are):

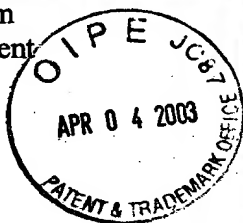
1st (sole) Inventor:
2nd Inventor:
3rd Inventor:
4th Inventor:

A. Patent Application No.(s): 09/918,156

B. Patent No.(s):

5. Name and address of party to whom correspondence concerning document should be mailed:

Michael L. Goldman, Esq.
NIXON PEABODY LLP
Clinton Square
P.O. Box 31051
Rochester, New York 14603-1051



6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☐ Previously paid (see original transmittal)

☒ A check in the amount of \$40.00 is enclosed.

8. Deposit Account Number: 14-1138

☐ Charge total fee to account.

☒ Charge any additional fees to account.

DO NOT USE THIS SPACE

9. Statement and signature.

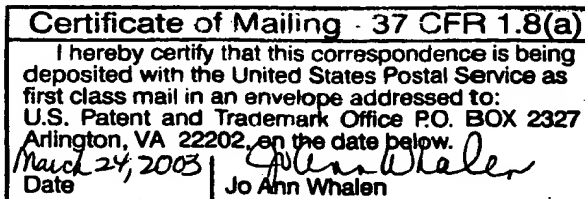
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: March 24, 2003

Michael L. Goldman
Registration No. 30,727

[Total number of pages including cover sheet, attachments and document: 3]

Page 2 of 2



ASSIGNMENT

WHEREAS, I, **Robert P. Hammer**, a United States citizen, residing at 4967 Tulane Drive, Baton Rouge, Louisiana 70808, have invented certain new and useful improvements in **DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING COUPLED LIGASE DETECTION AND POLYMERASE CHAIN REACTIONS** for which I have executed an application for Letters Patent in the United States, filed as U.S. Serial No. 09/918,156 on July 30, 2001;

AND WHEREAS, **Board of Supervisors of Louisiana State University and Agricultural and Mechanical College**, with its principal place of business at 203 David Boyd Hall, Baton Rouge, Louisiana 70803, desires to acquire the entire right, title and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **Board of Supervisors of Louisiana State University and Agricultural and Mechanical College**, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said **Board of Supervisors of Louisiana State University and Agricultural and Mechanical College**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

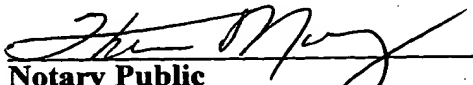
AND I HEREBY covenant and agree that I will communicate to the said **Board of Supervisors of Louisiana State University and Agricultural and Mechanical College**, its successors, legal representatives and assigns, any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said **Board of Supervisors of Louisiana State University and Agricultural and Mechanical College**, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 3rd day of March, 2003.


Robert P. Hammer

STATE OF Louisiana
COUNTY OF East Baton Rouge

This 3rd day of MARCH, 2003, before me personally came the above-named **Robert P. Hammer**, to me personally known as the individual who executed the same of his/her own free will for the purposes therein set forth.


Notary Public
THERESA MOONEY
NOTARY PUBLIC
EAST BATON ROUGE PARISH LA
MY COMMISSION IS FOR LIFE